

# *ROTARY ELECTRICAL APPARATUS*

## **Abstract**

A plurality of embodiments of rotating electrical machines having improved arrangements for securing plate type permanent magnets to a cylindrical surface of one component of the machine in facing relation to another relatively rotatable component thereof with a small gap therebetween. The magnets are secured by embedding them in a bonding material surrounding the peripheral edges of the magnets and at least a portion of the sides thereof facing the gap and leaving an area of said sides directly exposed to the gap to maintain good electrical properties and machine performance without necessitating an increase in the gap.